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Polarography of geometric orime syn- and angi-isomers. Part. 1.

[with summary in English]. Zhur. fiz. khim. 32 no. 6:1389-1392

Je '58.

(MIP. 11'8)

1. Vysshyy meditainakiy institut, Sofiya, Bolgariya.

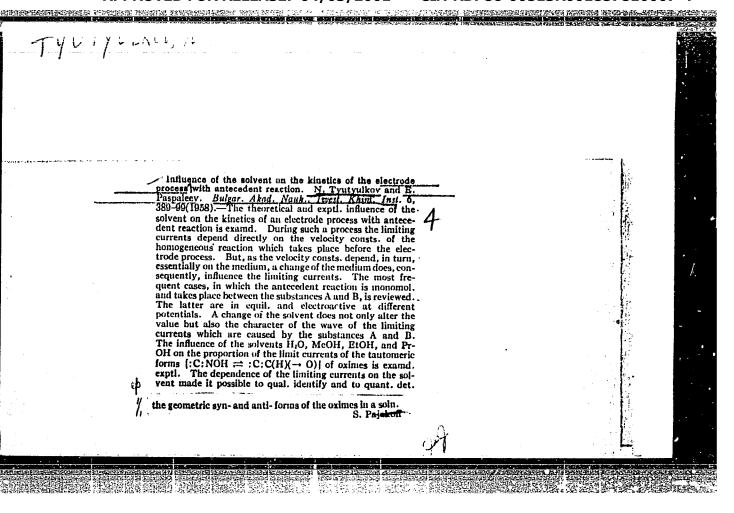
(Benzeldehyde)

(Polarography)
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TYUTYULKOV, N. [Tiutiulkov, N.]; TSVETANOV, K.; STAMATOVA, V.

Polarographic behaviour of polymorphic modifications of & -anisaldoxyms. Doklady BAN 16 no. 4: 389-392 163.

1. Submitted by Corresponding Member B. Kourtev [Kurtev, B.]



KHANIN, I.M., doktor tekhn. nauk; TYUTYUNIK, L.N.

Republican Scientific and Technical Conference on the modeling of coke ovens and chemical apparatuses. Met. i gornorud. prom. no.1:75-76 Ja-F '64. (MIRA 17:10)

TYUTRYUMOVA, Z. I., Candidate Med Sci (diss) -- "The problem of the mechanisms of experimental epilepsy". Leningrad, 1959. 19 pp (State Order of Lenin Inst for the Advanced Training of Physicians im S. M. Kirov), 200 copies (KL, No 24, 1959, 153)

# TYUTRYUMOVA, Z.I.

Role of the simus caroticus in the genesis of epileptics fits. Vop. psikh i nevr. no.3:191-196 '58. (MIRA 12:3)

1. Iz otdeleniys nervnykh bolezney klinicheskoy bolnitsy im. chudnovs.

(CAROTID SINUS) (KPILEPSY)

DRAPCHINSKIY, L.W.; KOVALENKO, S.S.; PETRZHAK, K.A.; TYUTYUGIN, I.I.

Probability ratios of triple fission of U<sup>235</sup> and U<sup>238</sup> by
neutrons of various energies. Atom. energ. 16 no.2:144-145
F 164. (MIRA 17:3)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

5(4) AUTHOR:

Tyatyulkov, N. N.

507/76-33-7-34/40

TITLE:

The Effect of Intramolecular Interaction on Molecular Refraction

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Nr 7,

pp 1660 - 1661 (USSR)

ABSTRACT:

The effect of the interaction of conjugate bonds on refraction is investigated on an oscillation model of the chemical bond. It is assumed that the interaction of the bonds may approximately be regarded as an interaction of harmonic oscillators. A similar model was considered from other standpoints in the article (Ref 1) and the monograph (Ref 2). According to an equation (6) deduced for the exaltation  $\Delta R$ , this value is calculated for several organic molecules. The values 1.49 and 0.07 were obtained from a calculation of  $\Delta R$  of the trans- and cis-configuration according to data given in references 4 and 5 for butadiene. A trans-configuration may thus be assumed for butadiene in accordance with data published in the article (Ref 6). The value  $\Delta R = 0.07$  for the cis-configuration agrees with the experimental value  $\Delta R = -0.03$  for 1,3-cyclohexadiene. The author gives

Card 1/2

several other values of the exaltation of various compounds,

The Effect of Intramolecular Interaction on Molecular Refraction

SOY/76-33-7-34/40

which are in good agreement with experimental data. There are 1 figure and 14 references, 4 of which are Soviet.

ASSOCIATION: Vysshiy meditsinskiy institut, Kafedra meditsinskoy, khimii Sofiya (Higher Medical Institute, Chair of Medical Chemistry, Sofia)

SUBMITTED: September 3, 1958

Card 2/2

Tyutyun, N. A. -- "Reconstruction of Blocks of Multistory Buildings in the Large Cities of the Ukrainian SSR. (According to Materials of the Planning and Construction of the Cities of Kiev and Khar'kov)." Acad of Architecture of the Ukrainian SSR, Inst of City Construction, Kiev, 1955 (Dissertation for Degree of Candidate in Architectural Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

USSR/Cultivated Plants - Fruits. Berries.

М.

Abs J ur

: Ref Zhur - Biol., No 4, 1958, 15760

Author

: I.F. Krasnoshchek, VII: Tyutyun

Inst

: .

Title : Cultivating Apples in the Nursery.

(Vyrashchivaniye yabloni v pitomnike).

Orig Pub

: Sadovodstvo, vinogradarstvo i vinodeliye Moldavii, 1957,

No 3, 55-57.

Abstract

: No abstract.

Card 1/1

## TYUTYUNDZHI, I.Ya.

Difficulties and possible complications of an intralaryngeal biopsy in cancer of the larynx. Zhur. ush., nos. i gorl. bol. 23.no.3:33-36 My-Je 163. (MIRA 16:7)

1. Iz otorinolaringologicheskogo otdeleniya (zav.-doktor med. nauk M.G.Baradulina) Gosudarstvennogo nauchno-Kseledovatel\*skogo instituta onkologii imeni Gertsena.

(LARYNX—CANCER) (LARYNX—BIOPSY)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

一一年,大学的企品的工作的研究的特殊的特殊的问题的问题的一种企业的企业工作。

## TYUTYUNDZHI, I.Ya.

Fistulous symptom from the mastoid process. Zhur. ush., nos. i gorl. bol. 20 no. 3:58-60 My-Je 160. (MIRA 14:4)

1. Iz kliniki bolezney ukha, gorla i nosa (zev. - deystvitel'nyy chlen AMN SSSR zasl. deyatel' nauki prof. B.S. Preobrazhenskiy) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.

(MASTOID PROCESS-DISEASES)

#### "APPROVED FOR RELEASE: 04/03/2001

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CIA-RDP86-00513R001857810007-4

BULGARTA

Dr Ivan BALKANSKI and Dr Nikola TYUTYUNDZHIEV [Affiliation not given]

"Proving the Precence of Ra-Processed Mest Products in Sausages."

Sofia, Veterinarna Sbirka, Vol 59, No 11, 1962; p 23.

Abstract: Description of the materials and histologic staining method for incortrovertibly proving adulteration of sausage meat by inclusion of old sausage (differential staining of skin particles.) Common stains are used. Photomicrograph.

1/1

10 -

TYUTYUNIK, A.D.

137-58-5-10592

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 246 (USSR)

AUTHORS: Gruzin, P.L., Kurdyumov, G.V., Tyutyunik, A.D., Entin, R.I.

TITLE: On the Role of Diffusive Displacements of Atoms in High-temp-

erature Strength (O roli diffuzionnykh peremeshcheniy atomov v

zharoprochnosti)

PERIODICAL: V sb.: Issled. po zharoprochn. splavam. Vol 2. Moscow,

AN SSSR, 1957, pp 3-8

ABSTRACT: Some results of investigations of diffusion (D) in metals and alloys relative to the problem of high-temperative strength (H)

are examined. It is noted that the special features of the behavior of metals at high temperatures under load are conditioned by the existence of rather frequent diffusive shifts of atoms (A) in the crystal lattice of the phases constituting the alloy. Therefore, along with the shear mechanism of plastic deformation, a diffusion mechanism becomes active. The number of atomic displacements, increasing with temperature, tends to limit the temperature zone in which hardened alloy phases may be em-

ployed, owing to the reduction in the resistance to plastic de-

Card 1/2 formation due to the shear mechanism. The relatively higher A

137-58-5-10592

On the Role of Diffusive (cont.)

mobility at the grain boundary or the intra-grain interface, as against that within the body, means that the grain boundaries constitute the weak spot in the resistance of a metal to deformation and failure at high temperatures. A reduction in the mobility of the A is required to increase the level of H. It is demonstrated that an identical level of mobility of the A can be attained at different temperatures with different metals. The temperature at which a given level of diffusive mobility of A is attained is determined primarily by the energy of activation. In some metals the level of mobility of the A is also significantly shifted by the change in the magnitude of the factor Do preceding the exponent in the expression for the relationship between the coefficient of diffusion (CD) and the temperature. Accumulated experimental data show that a variation in the CD may occur owing to changes in either parameter of the temperature dependence of the CD. At elevated energies of activation (due to alloying), there is usually an increase in the multiplier Do, with the result that at temperatures that are high for the given alloy base metal there is little change in the CD, while at low temperatures they may change by a full order of magnitude or even more. Addition to the alloy of elements that strengthen the bond in the solid solution causes a shift toward higher temperatures for the onset of the diffusive ductility mechanism. 1. Metals--Diffusion 2. Alloys--Diffusion 3. Metals--Temperature factors Card 2/2 4. Metals--Mechanical properties

7 Y47 YUNIK, A.G.

AUTHOR:

Tyutyunik, A.G.

32-9-28/43

TITLE:

Laboratory Vacuum Furnace for Temperatures of 2000 - 2500° (Laboratornaya vakuumnaya pech' dlya temperatur 2000 - 2500°)

PERIODICAL:

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 9, pp.1126-1127 (USSR)

ABSTRACT:

A vacuum furnace with a tungsten heater, which was developed by the author for a working temperature of 2000 - 2500° is described. The essential advantages offered by this furnace are the lack of commics in the high temperature zone, and an efficacious screening system which makes it possible to attain high temperatures with a relatively low power consumption in a large volume. The furnace was tested for a whole year in the laboratory and deserves to be recommended for investigations carried out in laboratories at high temperatures. There follows a detailed description of the furnace. The furnace may be used in any chamber in which the vacuum is not less than 1.10-4 mm torr. Basic investigations of metal were carried out in a vacuum of the order of 1.10-5 - 1.10-7 mm torr. The vacuum system consists of a vacuum

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Laboratory Vacuum Furnace for Temperatures of 2000 - 2500°

32-9-28/43

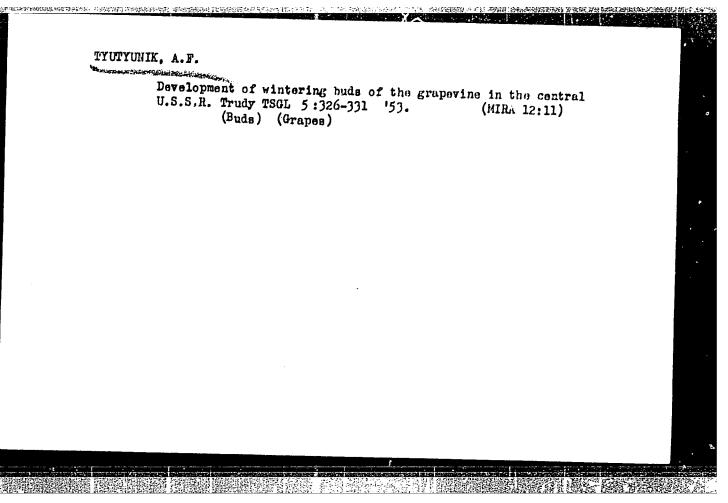
pump, a diffusion oil pump with 1000 1/sec, and a vacuum metal chamber with 200 1 contents and water cooling. There is 1 figure.

ASSOCIATION: Physical-Technical Institute AN Ukrainian SSR (Fizikotekhnicheskiy institut Akademii nauk USSR)

AVAILABLE:

Library of Congress

Card 2/2



TYUTYUNIK, A.F.

Characteristics of differentiation of fruit buds in grapevines. Izv.AN SSSR.Ser.biol. no.6:921-924 N-D '62.

1. Research Institute of Horticulture, Viniculture and Viticulture, Kishinev.

(GRAPE) (BUDS)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

TSEYTLIN, Yefim Solomonovich; KOLODZIY, Iosif Ivanovich; LAPIR, F.A., nauchnyy red.; TYUTYUNIK, M.S., red.; DORODNOVA, L.A., tekhn. red.

[The concrete placer and molding equipment operator]Mashinist betonoukladchika i formovochnogo oborudovaniia. Moskva, Proftekhizdat, 1962. 277 p. (MIRA 16:3) (Concrete plants—Equipment and supplies)

TO THE SECTOR OF THE PROPERTY OF THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

KHURIN, Yefim Semenovich; GENIN, M.Ya., nauchnyy red.; TYUTYUNIK, M.S., red.; PERSON, M.N., tokhn. red.

[Mamual for young sanitary engineers] Spravochnik molodogo santekhnika. Moskva, Vses. uchebno-pedagog. izd-vo Proftekhizdat, 1961. 382 p. (MIRA 15:3) (Sanitary engineering)

AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROZDOV, I.A.; VINARSKIY, I.S.;
GOLOVATYUK, S.A.; NIKOLAYEV, G.P. Prinimali uchastiye:
DATSUN, N.V.; ZHEGOV, V.T.; IVANITSKAYA, S.Yu.; KOMISSAROV,
M.A.; KALINCHUK, I.G.; LISHBERGOV, V.D.; SERKERENNIKOVA, S.O.;
FILIN, V.D. DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.;
BUBYR', V.A., red.; TYUFYUNIK, Ya.I., red.; VARSHAVSKIY, I.N.,
red.; MONIN, M.I., red.; PANCHENKO, A.I., red.; BELYAYEV, F.R.,
red.; RABINKOVA, L.K., red.; Zd-va; BOLDYREVA, Z.L., tekhn.red.

[Types of mine cross section] Tipovye secheniia gornykh vyrsbotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.5. [Cross section of mines with reinforced-concrete supports and hinge-hung crossbars for 1-, 2- and 3-ton railroad cars] Secheniia vyrsbotok, zakreplennykh zhelezobetonnymi stoikami s sharnirno-podvesnym vekhniakom, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 411 p. (MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshekht.
(Mine timbering)

IRIKHIMOVICH, A.I.; ZEIENIN, A.M.; TYUTYUNIK, S'.N.

Further investigations of the biological foundations of the culture of yearling carp. Trudy Inst. biol. Mold. fil. AN SSSR 2 no.2:15-24 (MIRA 15:7)

(Moldavia-Carp)

USSR/Soil Science. Boil Genesis and Geography

J-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91386

Author : Tyuryukanova E.B.

Inst : Moscow Univ.

Title : Marsh Soils of Meshchershaya Lowlands

Orig Tub : Vestn. Mosk. un-ta, Ser. biol., pochvoved., geol., geogr.,

1957, No 4, 115-123

Abstract : No abstract

Card : 1/1

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

HIZ HAWAIK, A.D.

AUTHORS: Tyutyunnik, A.D. and Estulin, G. V. 126-3-31/34

TITLE: Influence of the micro-structure on the diffusion of Cr in nickel base alloys. (Vliyaniye mikrostruktury na diffuziyu khroma v splavakh na nikelevoy osnove).

PERIODICAL: "Fizika Metallov i Metallovedeniye" (Physics of Metals and Metallurgy), 1957, Vol.4, No.3, pp. 558-561 (U.S.S.R.)

ABSTRACT: The aim of the here described work was to investigate the diffusion of chromium in nickel-chromium-titanium-aluminium base alloys (type XH8OT) in the single-phase and two-phase ranges. The material for the test was taken from a series of nickel base melts containing 20.4% Cr, 2.5% Ti, 1% Al, 0.04% C and between 1.5 and 6.1% Ta. It was established that the micro-structure plays an important part in diffusion processes: heterogenization of the structure brings about an appreciable increase of the speed of diffusion and can change the mechanism of this process. It can also be concluded that introduction of Ta into alloys of this type has an unfavourable influence on the intermobility of chromium. This influence of Ta on the diffusion constant of Cr is in agreement with the effect of this element on the scale resistance of the investigated alloys;

Influence of the micro-structure on the diffusion of Cr in nickel base alloys. (Cont.)

with increasing Ta content (above 2.6%) a gradual decrease of the long duration strength, plasticity and toughness can be observed in the temperature range 700 to 800 C. There are 2 figures, one table and 5 Slavic references.

SUBMITTED: September 7, 1956.

ASSOCIATION: Institute of Metallurgy and Metal Physics.
(Institut Metallovedeniya i Fiziki Metallov).
Institute of Steel TsNIIChM. (Institut Stali TsNIIChM).

AVAILABLE: Library of Congress

Card 2/2

UPA, A. D.

USSR / Diffusion. Sintering.

**z-6** 

Abs Jour

: Ref Zhur - Fizika, No 4, 1957, No 9328

Author

: Gruzin, D.L., Tyutyunnik, A.D.

Inst

: Institute of Metal: Research and Metal Physics, Central Scientific Research institute for Ferrous Metallurgy.

Title

: Concerning the Diffusion Mobility of Atoms During the Mel-

ting and Crystallization of Metals.

Orig Pub

: Fiz. metallov i metallovedeniye, 1956, 3, No 1, 70-75

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Abstract : Certain problems concerning the role of diffusion in melting and recrystallization of metal are considered. An ana-Lysis of the available data on self-diffusion leads to the conclusion that the melting processes and the recrystallization of various metals are characterized by definite levels of diffusion mobility. The threshold levels of the diffusion mobility are determined by a coefficient of the order 10<sup>-22</sup> cm<sup>2</sup> sec<sup>-1</sup> in recrystallization and 10<sup>-8</sup> cm<sup>2</sup>

Card

: 1/2

USSR / Diffusion. Sintering.

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Abs Jour

: Ref Zhur - Fizika, No 4, 1957, No 9328

Abstract

: sec-1 in the melting of pure metals. The crystallization of solid solutions takes place at higher threshold levels of diffusion mobility (D~10-13 cm² sec-1). It can be assumed that other single-type processes that take place in solid bodies and that are connected with diffusion also have approximately equal threshold levels of diffusion mobility.

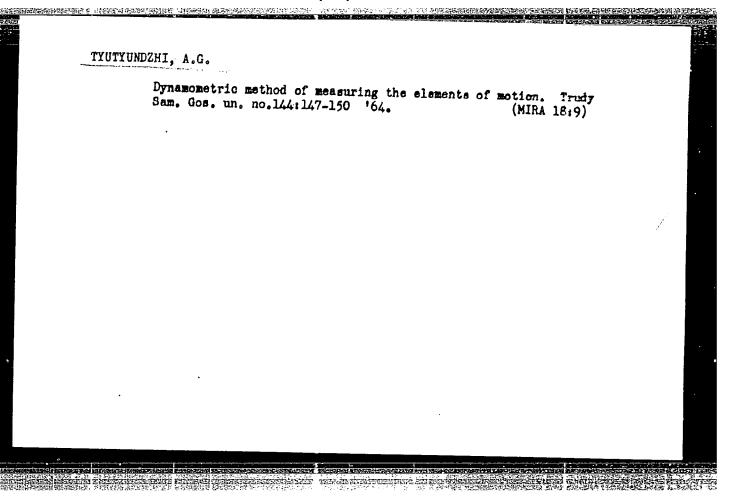
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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

MOROZOV, Ye.F.; TYUTYUKOVA, M.N.

Lignin drying in the turbulent flow of flue gases. Gidroliz. i lesokhim. prom. 16 no.8:22-25 '63. (MIRA 17:1)

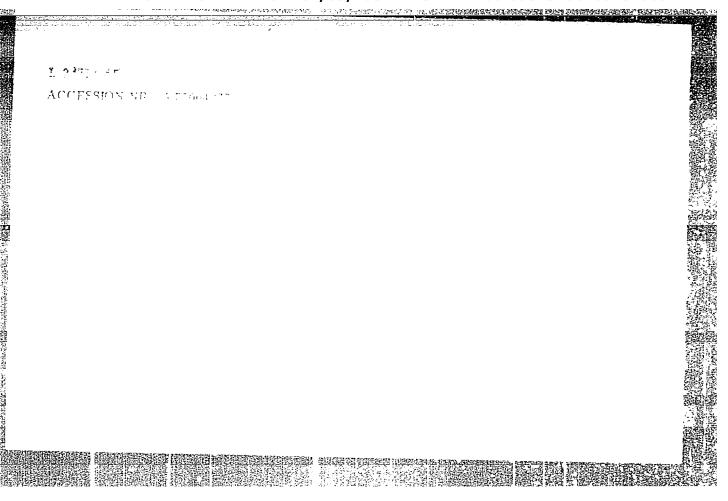
1. Sibgiprogidroliz (for Morozov). 2. Khakasskiy gidroliznyy zavod (for Tyutyukova).



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AUTHOR: Kaplin, A.A., Zakharov, M.S., Stron	S/0000/64/000/000/0115/0118  mberc. A.G. Tvitvin'kova R 8
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TOPIC TAGS: polarography, dropping mercry el malysis	ectrode, copper determination, indium
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TYUTYUNIK, A.F.

Viticulture

Developing hibernation buds of grapes in the central zone of the U.S.S.R. Vin SSSR 12, no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, AJGREST 1952 1953, Uncl.

EWT(m)/EWP(k)/EWP(e)/T/EWP(t)/ETI IJP(c) UR/0363/66/002/010/1892/1894 ACC NR: AP6032956 SOURCE CODE: Somov, A. I.; Svinarenko, A. P.; Tyutyunnik, A. G. AUTHOR: ORG: Physico-Technical Institute, Academy of Sciences UkrSSR (Fiziko-tekhnicheskiy institut Akademii nauk UkrSSR) TITLE: Preparation of corundum/single crystals by electron-beam zone melting SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 10, 1966, .1892-1894 TOPIC TAGS: single crystal growth, corundum, alumina, zone melting, electron beam melting, electron gun Corundum single crystals have been grown by electron-beam float-zone ABSTRACT: melting of sintered alumina rods, with or without seed, using an improved electron Fig. 1. Electron gun heater 1 - Sample in the process of zone melting; 2 - collector; 3 - focusing electrodes; 4 - emission cathode. UDC: 553.65:548.55:542.9 Card

gun. The electron gun schematically presented in Fig. 1 was developed for zone melting dielectric materials with coefficients of secondary emission greater than one. The tungsten collector (2) for secondary electrons simultaneously accelerates the primary electrons, and therefore has the same functions as the accelerating grid in previous electron guns which had very serious defects. Transparent corundum single crystals of regular shapes, 60 mm long and 4.4 mm in diameter, were grown by the method described on corundum seed crystal in vacuum and had a moltenzone travel rate of 80 mm/hr. Growing single crystals without seed was also possible. Orig. art. has: 3 figures.  [JK]  SUB CODE: 20/ SUBM DATE: 16Dec65/ ORIG REF: 002/ OTH REF: 004/ ATD PRESS: 5097	ACC NR: AP60329	956		•				9
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MYASKOVSKIY, Izrail' Grigor'yevich; LEVI, S.S., kand.tekhn.nauk, retsenzent; PARFENT'YEV, N.F., inzh.-prepodavatel'; DEMKOV, Ye.D., inzh., nauchnyy red.; TIUTIUNIK, M.S., red.; GILENSOH, P.G., tekhn.red.

[Electric equipment of building materials plants] Elektrooborudovanie zavodov stroitel'nykh materialov. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 232 p. (MIRA 12:4)

1. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (for Levi). 2. Dneprodzerzhinskiy
industrial'nyy tekhnikum (for Parfent'yev).

(Building materials industry-Electric equipment)

TYUTYUME, E. S.

PSHENITSYN, V.; KRUGLYAK, S.A., nauchnyy redaktor; TYUTYUNIK, M.S., redaktor;

PYATAKOVA, N.D., tekhnicheskiy redaktor

[Statements of Sebryakovo workers on reducing the time required to build and equip cement factories] Slovo sebriakovtsev o szhetykh srokakh stroitel'stva i osvoeniia teementnykh zavodov. Moskva, Gos.izd-vo lit-ry po stroit.materialsm, 1957. 121 p. (MIRA 10:8)

(Cement plants)

BUTT, Yuriy Mikhaylovich; TYUTYUNIK, M.S., redaktor; GLADKIKH, N.N. tekhnicheskiy redaktor

[Technology of cement and other binding materials] Tekhnologiia tsementa i drugikh viazhushchikh materialov. Izd. 3-e, perer.

Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1956. 347 p.

(Gement)

(Gement)

TYUTYUNIK, M,S., redsktor; KRUGLYAK, S.L., nauchnyy redsktor; EYUTYUNIK, M,S., redsktor; tekhnicheskiy redsktor.

[More cement for the Soviet homeland; work experience of the Georgian Stalin Cement Plant] Bol'she tsementa Sovetskoi rodine. Iz opyta raboty Gruzinskogo tsementnogo zavoda imeni I.V. Stalina. Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1954. 91 p.

(Cement)

ANSELM, M.: KHODOROV, Ye.I., kandidat tekhnicheskikh nauk, redaktor;
KOSAREVA, V.M., nauchnyy redaktor; TYUTYUNIK, M.S., redaktor;
LYUDKOVSKAYA, H.I., tekhnicheskiy redaktor

[Shaft kilns] Shakhtnaia pech'. [Perevod.] Pod red. E.I.Khodorova.

Moskva, Gos. izd-vo lit-ry po stroit. materialam. Pts.1 and 2.

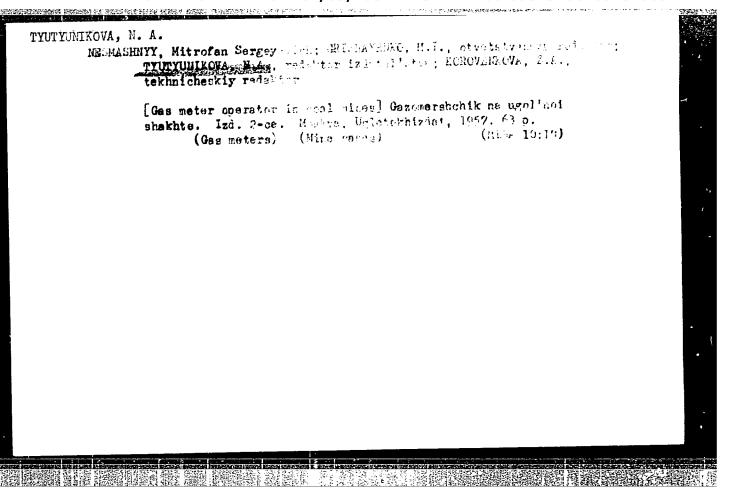
1956. 137 p.

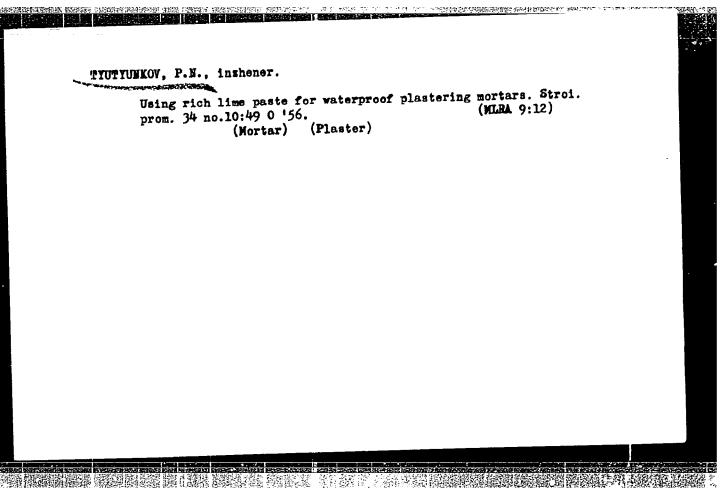
(Gement kilns)

TYULTUNIK M.S.,
redaktor; DYORNIKOVA, N.I., tekhnicheskiy redaktor.

[Use of hot water in the manufacture of asbestos cement products]
Primenenie teplovoi vody v proisvodatve asbestotsementnykh izdelii.
Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1953. 41 p.
(Asbestos cement)

(MIPA 7:11)





# Neurological syndromes accompanying fractures of the distal part of the forearm. Ortop.travm. i protez. 17 no.6:108 N-D '56. (MLRA 10:2) 1. Iz Ukrainekogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii (direktor - maslumennyy deyatel' nauki professor N.P.Novachenko) (ARM--FRA STURE)

TYUTYUNNIK, L. A.

33138

Raspredeleniye Napryazheniy U Gornykh Vyrabotok Slozhnoy Formy. Doklady Akad. Nauk Ukr. Ssr, 1949, No 4 c. 39-44 - Na Vkr. Yaz. - Rezyume Na Pus. Yaz

SG: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

BEREZA, V.Sh.; LEONTENKOV, A.I., inzh., nauchnyy red.; TYUTYUNIK, M.S., red.izd-va; EL'KINA, E.M., tekhn.red.

[Automatic control of milling processes in ball mills] Avtomaticheskoe regulirovanie protsessa pomola v sharovoi mel'nitse.

Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 73 p.

(MIRA 12:8)

(Antomatic control) (Milling machinery)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

TO DOUGH AND MERSHAGENERAL SEASON SERVED CANADOS AND

FEL'ZENBAUM, V.G.; RABINOV, I.L., nauchnyy redaktor; TYUTYUNIK, M.S., redaktor; DVORNIKOVA, N.I., tekhnicheskiy redaktor.

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[Use of hot water in the manufacture of asbestos cement products]
Primenenie teplovoi vody v proizvodstve asbestotsementnykh izdelii.
Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1953. 41 p.

(Asbestos cement)

BUTT, Yu.M.; BERKOVICH, T.M.; TYUTYUNIK, M.S., redaktor; PANOVA, L.Ya, tekhnicheskiy redaktor.

[Binding agents with added surface active substances] Viashushchie veshchestva s poverkhnostno-aktivnymi dobavkami. Fod red. P.A. Revishchestva, Gos. izd-vo lit-ry po stroit. materialam, 1953.

[KIRA 7:7)

(Concrete) (Surface active agents)

15-57-10-14704

Referativity zhurnal, Geologiya, 1957, Nr 10, Translation from:

p 223 (USSR)

AUTHORS:

Tyutyukin, V. S., Grigorenko, P. G.

TITLE:

The Chauvay Slide (O Chauvayskom opolzne)

PERIODICAL:

Tr. In-ta geol. AN KirgSSR, 1956, Nr 8, pp 131-134

ABSTRACT:

The authors describes in detail a slide on the left bank slope of the Chauvay River valley (Molotovabad rayon of the Oshskaya Golast ,Kirghiz SSR), which became a danger to the structures in a mining village. The body of the slide is composed of deluvial sandy clays (slope The underwash and creep deposits) of great thickness. lying rocks are Silurian shales. An indirect feature of the slide is that it proceeds slowly but, considering the loosening of the slide mass (as a consequence of which the mass absorbs large quantities of water), the great bulk of the slide, and the high seismicity of the Chauvay region, it is necessary to assume that during earthquakes and periods of excessive moisture there

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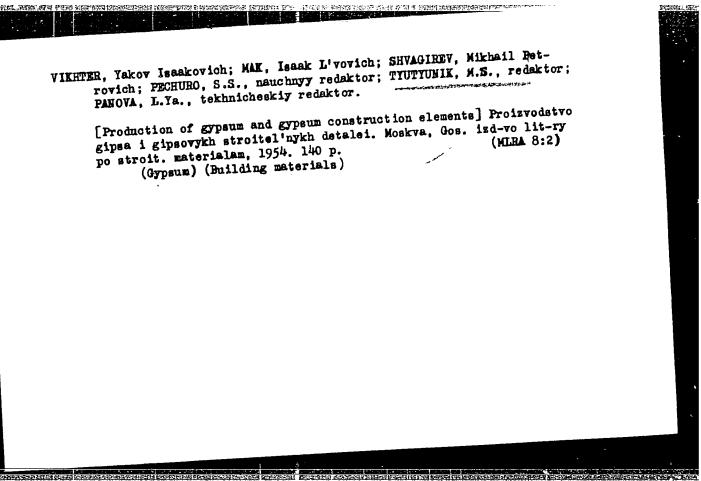
The Chauvay Slide (Cont.)

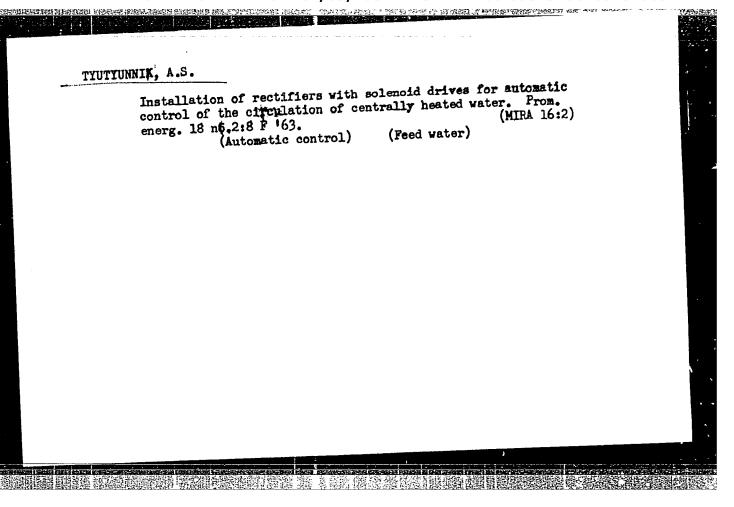
is a possibility of the slide piling up on the terrace of the Chauvay River, endangering the buildings on it. Measures for improving the stability of the slope are complex. The described slide is one of many frequent similar occurrences that are widespread on the left side of the Chauvay River; they have not been previously studied. Slides are rather common throughout all of southern Kirghizia. The organization of a station for studying slides is one of the important tasks of the engineering geology service of Kirghizia.

N. S. Gustomesova

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

# TYUTIN, F.G. Formation, state and position of blew and gas galleries near the fire-face and voids in the burnt-out area. Podzem. gaz. ugl. (MRA 11:12) no.4:30-36 '58. 1. Vseseyuznyy nauchno-issledovatel'skiy institut Pedzemgaz. (Ceal gasification, Underground)





GOL'DBERG, I,A.; TYUTYUMNIK, F.P.

Preventing the freezing of the clay to the body of transportation vehicles. Ogneupory 29 no.4:165-167 '64. (MIRA 17:4)

1. Vsesoyuznyy institut ogneuporov.

TYUTYUNNIK, F. R.; YEVTYUKHOV, G. A.

Using the tracklaying machine in replacing rails with used ones. Put' i put. khoz. 7 no.3:7-9 '63. (MIRA 16:4)

1. Machal'nik sluzhby puti na Pridneprovskoy doroge, Dnepropetrovsk (for Tyutyunnik). 2. Machal'nik putevoy machinnoy stantsii No. 6, Illarionovo, Pridneprovskoy dorogi (for Yevtyukhov).

(Railroads-Rails) (Railroads-Tracklaying machinery)

TYUTYUNNIK, M., nauchnyy sotrudnik

Flying cost and crop value. Grazhd. av. 19 no.4:5 Ap '62.

(MTRA 15:5)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut
Grazhdanskogo vozdushnogo flota. \*\*

(Aeronautics, Gommeroial—Finance)

(Aeronautics in agriculture)

CHEREPOVSKIY, Serafim Sergeyevich; ALESHINA, Ol'ga Kuz'minichna; ROYAK, S.M., prof., nauchn. red.; TYUTYUNIK, M.S., red.

[Production of white and colored Portland cement] Projzvodstvo belogo i tsvetnogo portlandtsementa. Moskva, Stroiizdat, 1964. 125 p. (MIRA 17:9)

MARUYLOW, L.A.; KLYUKOVSKIY, G.I.; GEZBURG, A.A.; BALKEVICH, V.L., kandidat tekhnicheskikh næuk, redaktor; TYUTYUNIK, M.S., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor.

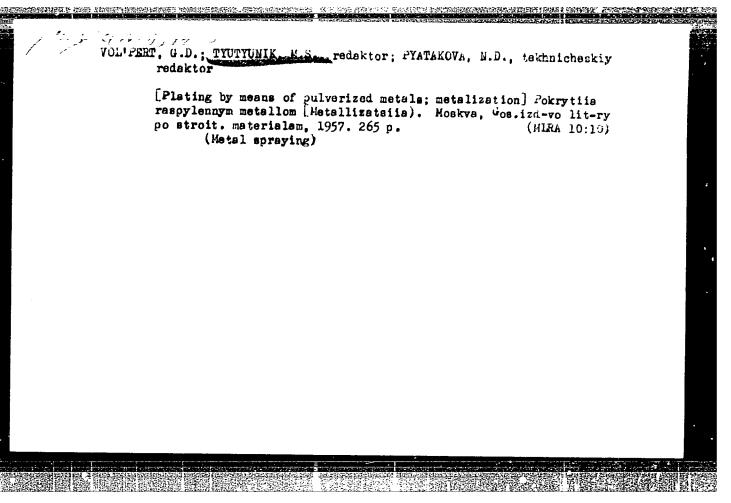
[Practical laboratory work in the technology of silicates] Laboratornyi praktikum po tekhnologii silikatov. Pod.red.V.L.Balkevicha. Moskva. Gos.izd-vo lit-ry po stroit. materialam, 1955. 346 p. (MLRA 9:5) (Silicates)

SOKOLOV, Pavel Nikolayevich; BUTT, Yu.M., professor, doktor tekhnicheskikh nauk, redaktor; TYUTYUNIK, M.S., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor

[Technology of asbestos-cement articles] Tekhnologiia asbestotsementnykh izdelii. Izd. 2-e, dop. i ispr. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1955. 259 p. (MIRA 9:3)

(Asbestos cement)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"



BOGANOV, Aleksandr Ivanovich; BANIT, F.G., redaktor; TYUTYUNIK, M.S., redaktor; LYUDKOVSKAYA, tekhnicheskiy redaktor.

[Mechanical equipment of cement factories] Mekhanicheskoe oborudovanie tsementnykh zvodov. Izd.2-e, perer. i dop. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1955. 291 p. (MLRA 8:12) (Cement industries)

TYUTYUNIK, Ye., inzhener-polkovnik; PAVLOV, S., inzhener-podpolkovnik v otstavke

Skillfully use technical means of propaganda. Komm. Vooruzh. Sil 46 no.16:61-64 Ag '65. (MIRA 18:8)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

TYUTYNNIK, M.S., redaktor; LYUDOVSKAYA, N.I., tekhnicheskiy redaktor.

[Progressive methods of mining engineering; new developments of cement industry quarries] Novoe na kar'erakh tsementnoi promyshlennosti. Moskva, Gos.izd-vo lit-ry po stroit. materialam, 1955. 77 p.

(Mining engineering)

# TYUTYUNNIK, M.Ye., nauchnyy sotrudnik

Airplanes and ground apparatus in beet fields. Zashch.rast.ot vred.i bol. 5 no.7:6-8 Jl '60. (MIRA 16:1)

1. Gosudarstvennyy nauchno-issledovatel skiy institut Grazh-danskogo vozdushnogo flota.

(Ukraine—Sugar beets—Diseases and pests)
(Ukraine—Spraying and dusting in agriculture)

TYUTYUNIK, N. P.

TYUTYUNIK, N. P.: "The Formation of Economically Valuable Signs in the Vegetative Hybridization of Tomatoes." Author's abstract of a dissertation submitted at Omsk Agricultural Inst imeni S. M. Kirov. Omsk, 1956. (Dissertation for the Degree of Candidate in Agricultural Science)

So: Knizhnaya Letopis', No. 19, 1956.

DELIMARSKIY, Yu.K., akademik; CHETVERIKOV, A.V., kand.khimicheskikh nauk; PAVLENKO, N.A., inzh.; TYUTYUNNIK, O.A.

Effect of iron chloride on the electrolytic tin plating of black plate from fused salts. Sbor. trud. TSNIICHM no.28:153-158 '62.

(MIRA 15:11)

1. AN UkrSSR.

(Tin plating) (Iron chloride)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

CHETVERIKOV, A.V., kand.tekhn.nauk; PAVLENKO, N.A., inzh.; TYUTYUNIK, O.A., inzh.

Using a protective atmosphere in electrolytic tinning from fused electrolytes. Sbor. trud. TSNIICHM no.34:45-50 '63. (MIRA 17:4)

L 1589-66 ENT(m)/T

ACCESSION NR: AP5020950

UR/0073/65/031/008/0761/0767

AUTHOR: Piontkovskaya, M. A.; Neymark, I. Ye.; Tyutyunnik, R. S. Lukash, A. Ye.; Lantsova, M. A.

TITLE: Properties of magnesium-substituted zeolite

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 31, no. 8, 1965, 761-767

TOPIC TAGS: zeolite, magnesium, adsorption, nuclear magnetic resonance

ABSTRACT: The zeolite was prepared from the molecular sieve NaA or NH<sub>4</sub>NaA and magnesium sulfate by cation exchange under static or flow conditions at 20-60 C. The exchange amounted to about 40% for NaA and 58% for NH<sub>4</sub>NaA. For the study of properties, the following was determined: isotherms of vapor absorption (for water, benzene and lower alcohols) in the powders under vacuum at 20C, chromatographic data for the heat of adsorption (20-300C) and content in the individual gases (H<sub>2</sub> + CO + CH<sub>4</sub>), and nuclear magnetic resonance for elucidating the nature and character of the forces linking adsorbed water molecules in the zeolite The compositions of the elemental cells of these zeolites, Mg<sup>I</sup>NaA, Mg<sup>I</sup>INH<sub>4</sub>NaA and Mg<sup>III</sup>NH<sub>4</sub>NaA are reported. Adsorption isotherms for the Mg zeolite were

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ACCESSION NR: AP5020950

located above those for the Na form. Calculation of water vapor molecules per one zeolite cell gave 730 A3 for pores in NaA and 958 A3 for MgIIINH4NaA, that is, 30% more for the latter. Tests with alcohols, etc. showed that no molecules with diameters above 5 A were adsorbed. The NMR lines for MgNaA, CaNaA and KNaA are reported. They show that the cations have an essential influence on the magnetic resonance of proton absorption, that is, that upon filling of zeolite pores with water, the latter locates mainly at the metal cations of the individual cells. This supports the assumption of cation participation in the primary adsorption act of polarized water molecules. Adsorption heat was shown to depend upon the individual gas rather than the metal. The heat of adsorption increased by about 2 kcal/mole for each CH2 group. The nature of the cation which compensates the charge of the alumino silicate body influenced the adsorption heat of CO molecules and hydrocarbons with unsaturated bonds. Orig. art. has: 5 figures and 3 tables. ASSOCIATION: Institut fizicheskoy khimii im. L. V. Pisarzhevskogo AN UkrSSR

(Institute of Physical Chemistry, AN Ukrssk)

SUBMITTED: 10Mar64

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ENCL: 00

SUB CODE: IC

OTHER: 001

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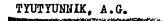
CIA-RDP86-00513R001857810007-4" **APPROVED FOR RELEASE: 04/03/2001** 

AKOL'ZIN, L.Ye.; BOROZDOV, I.A.; BEDILO, V.Ye.; TERESHKIN, F.N. Prinimali uchastiye: BELYAYEV, F.R.; BEREZHNOY, N.V.; BUBYR', V.A.; VARSHAVSKIY, I.N.; DUDKO, V.P.; YERSHOV, V.S.; DUGIH, Ye.V.; DUKALOV, M.F.; IVANOV, P.S.; KONAREVA, V.F.; MONIN, M.I.; MOGILKO, A.P.; PANCHENKO, A.I.; POKALYUKOV, S.N.; PRIKHOD'KO, N.D.; RUBIN, I.A.; SIDORENKO, P.A.; TYUTYUNIK, Ya.I.; KHMEL'NITSKIY, L.Ya.; BONDAR', V.I.; KRIVTSOV, A.T.; LOKSHIN, V.D.; SOFIYENKO, N.P. RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Types of mine cross section] Tipovye sechenida gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.4. [Cross section of mines supported by a sectional reinforced-concrete lining of URP-11 panels for 1-, 2- and 3-ton railroad cars] Secheniia vyrabotok, zakreplennykh sbornoi zhelezobetonnoi krep'iu iz plit URP-II, dlia 1-, 2- i 3-tonnykh vagonetok. 1960. 278 p. (MIRA 13:12)

 Kher'kov. Gosuderstvennyy proyektnyy institut Yuzhgiproshakht. (Mine timbering)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"



Achievements in the technology of pasteboard production. Med.prom. 11 no.7:51-53 J1 \*57. (MIRA 10:8) (PASTEBOARD)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

# MAYSTRENKO, A.K.; TYUTYUNNIK, I.F.

Functional state of muscles in patients with neglected congenital dislocations of the hip according to electromyographic data. Trudy Ukr. nauch.-issl. inst. ortop. i travm. no.15:101-108 \*59 (MIRA 16:12)

l. Iz otdela fiziologii i patomekhaniki (zav. otdelom doktor med. nauk O.V.Nedrigaylova)Ukrainskogo nauchno-issledovatel'skogo instituta ortopedii i travmatologii imeni prof. M.I.Sitenko (dir. - chlen-korrespondent AMN SSSR, prof. N.P. Novachenko).

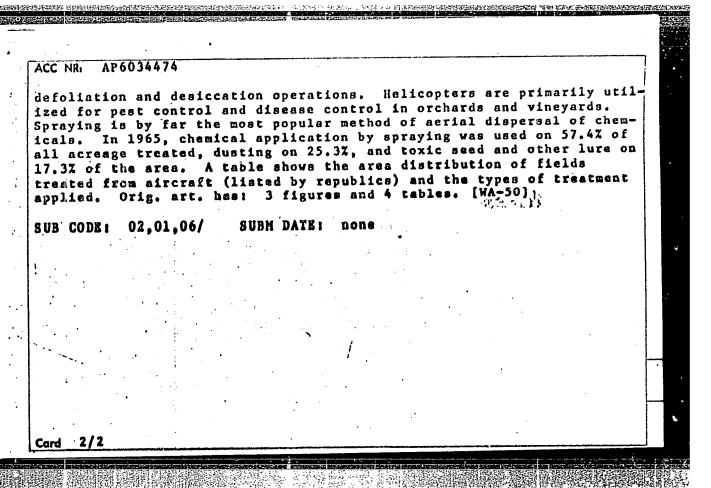
TYUTYUNNIK, L.N.; KHANIN, I.M.

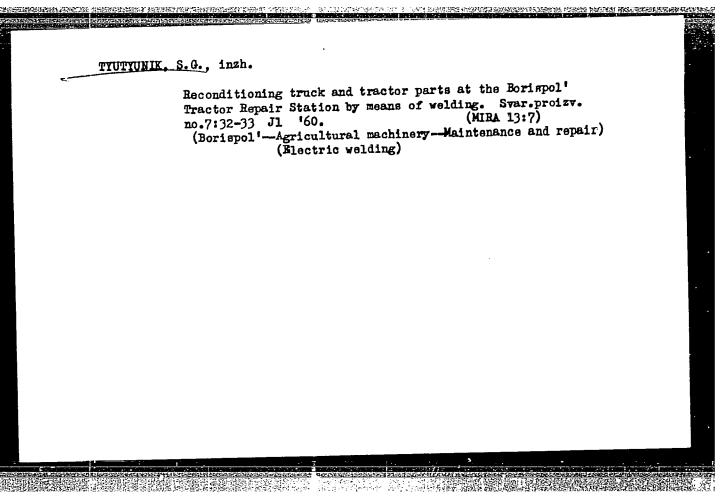
Experimental investigation of transient processes in the thermal operating conditions of coke ovens. Trudy DKHTI no.16:135-146
163. (MIRA 17:2)

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SOURCE CODE: UR/0433/66/000/010/0010/0013 ACC NRI AP 6034474 (A,N) AUTHOR: Tyutyunnik, H. (Senior research associate) ORG: All-Union Institute for Agricultural and Special-Purpose Civil Aviation (Vsesoyuznyy institut sel'skokhozyaystvennogo i spetsial'nogo primeneniya grazhdanskoy eviatsii) TITLE: Aviation protects the harvest Zashchita rasteniy, no. 10, 1966, 10-13 SOURCE: TOPIC TAGS: agriculture, crop protection, aerial apraying, aerial dusting, plant disease control, utility aircraft/AN-2 aircraft, Yak-12 aircraft, AN-2M aircraft, M-1 helicopter, Mi-2 helicopter, Ka-15 helicopter ABSTRACT: Aviation plays an increasingly important role in Soviet agriculture. Among the types of aircraft used in agriculture are the AN-2 and Yak-12 airplanes and the Mi-1 and Ka-15 helicopters. In addition, and improved version of the AN-2M aircraft and the Mi-2 helicopter are durrently undergoing tests. In 1965 the AN-2 sirplane was used in 88.2% of all agricultural operations, the Yak-12 in 9.8%, and helicopters in 2%. Moreover, in 1965 the AN-2 was used in 87% of all aerial plant protection operations, 91.2% of weed-control operations, and 95.7% of UDC: 632.9:631.171:629.138





AKOL'ZIN, L.Ye.; LISHBERGOV, V.D.; SHCHUKINA, G.F.; TSOY, D.; DUGIN,
Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYR', V.A., red.; TYUTYUNIK,
Ya.I., red.; MONIN, M.I., red.; PANCHENKO, A.I., red.; VARSHAVSKIY,
I.N., red.; BELYAYEV, F.R., red.; RABINKOVA, L.K., red.izd-va;
KOROVENKOVA, Z.A., tekhn.red.

[Standard cross sections of mine workings] Tipovye secheniia gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.1. [Cross section of timber-supported workings for 1, 2, and 3-ton cars] Secheniia vyrabotok, zakreplennykh derevom dlia 1, 2 i 3-tonnykh vagonetok. 1960. 345 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mining engineering)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

BEDILO, V.Ye.; BOROZDOV, I.A.; YERSHOV, V.S.; MOGILKO, A.P.; NIKOLAYEV, G.P.; DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYR!, V.A., red.; VARSHAVSKIY, I.H., red.; TYDTYUNIK, Ya.I., red.; MOHIN, M.I., red.; PANCHENKO, A.I., red.; BELYAYEV, F.R., red.; RABINKOVA, L.K., red.; zd.-va; BOLDYREVA, Z.A., tekhn.red.

[Standard cross sections of mine workings] Tipovye secheniia gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gorno-mu delu. Vol.2. [Cross section of workings lined with concrete and artificial stone, for 1-ton cars] Secheniia vyrabotok, zakreplennykh betonom i iskusstvennym kamnem, dlia 1-tonnykh vagonetok. 1960. 459 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mining engineering)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001857810007-4"

TYUTYUNNIK, I.F. (Khar'kov)

Sensory adaptation disorders in distal fractures of the extremities. Vrach. delo no.9:139-140 S '61. (MIRA 14:12)

l. Ukrainskiy nauchno-issledovatel'skiy institut ortopedii i travmatologii imeni prof. M.I.Sitenko.
(SENSES AND SENSATION)
(EXTREMITIES (ANATOMY)--FRACTURES)

AKOL'ZIN, L.Ye.; BEDILO, V.Ye.; BOROZDOV, I.A.; LISHBERGOV, V.D.; TSOY, D.;

DUGIN, Ye.V., otv.red.; DUKALOV, M.F., red.; BUBYR', V.A., red.;

TYUTYUNIK, Ya.I., red.; MONIN, M.I., red.; PANCHENKO, A.I., red.;

BELYAYEV, F.R., red.; RABINKOVA, L.K., red.izd-va; KOROVENKOVA,

Z.A., tekhn.red.

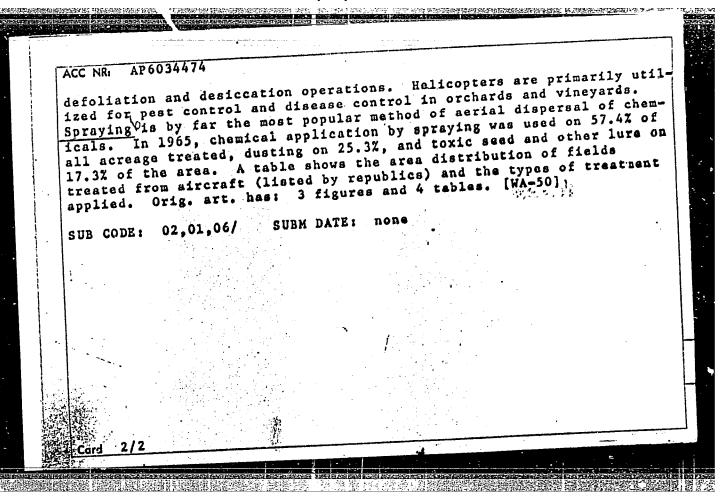
[Standard cross sections of mine workings] Tipovye secheniia gornykh vyrabotok. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.3. [Gross section of workings lined with concrete and artificial stone for 2 and 3-ton cars] Secheniia vyrabotok, zakreplennykh betonom i iskusstvennym kamnem, dlia 2-i 3-tonnykh vagonetok. 1960. 447 p. (MIRA 13:11)

1. Moscow. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mining engineering)

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SOURCE CODE: UR/0433/66/000/010/0010/0013 ACC NR. AP6034474 (R,N) AUTHOR: Tyutyunnik, M. (Senior research associate) ORG: All-Union Institute for Agricultural and Special-Purpose Civil Aviation (Vsesoyuznyy institut sel'skokhozyaystvennogo i spetsial'nogo primeneniya grazhdanskoy aviatsii) TITLE: Aviation protects the harvest Zashchita rasteniy, no. 10, 1966, 10-13 TOPIC TAGS: agriculture, crop parintent, aerial spraying, aerial SOURCE: dusting, plant disease control, utility aircraft/AN-2 aircraft, Yak-12 aircraft, AN-2M aircraft, M-1 helicopter, M1-2 helicopter, Ka-15 helicopter ABSTRACT: Aviation plays an increasingly important role in Soviet agriculture. Among the types of aircraft used in agriculture are the  $AN-2\sqrt{g}$ and Yak-12 cairplanes and the Mi-10 and Ka-156 helicopters. In addition, am improved version of the AN-2N aircraft and the Mi-2 helicopter are currently undergoing tests. In 1965 the AN-2 airplane was used in 88.2% of all agricultural operations, the Yak-12 in 9.8%, and helicopters in 2%. Moreover, in 1965 the AN-2 was used in 87% of all serial plant protection operations, 91.2% of weed-control operations, and 95.7% of UDC: 632.9:631.171:629.138 Card 1/2

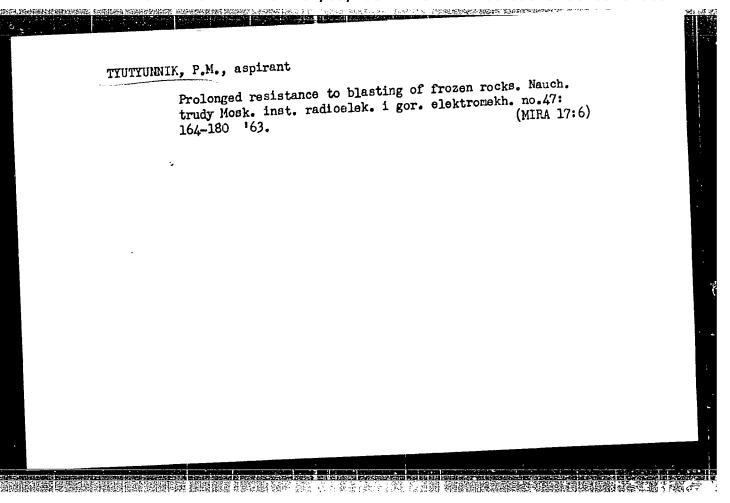


TYUTYUNNIK, M.Ye., nauchnyy sotrudnik

Economic aspects of airplane dusting in the control of weeds on grain fields. Zashch. rast. ot vred. i bol. 3 no.4:10-11 (MIRA 11:9)

J1-Ag '58.

1. Gosudarstvennyy nauchno-issledovatel'skiy institut grazhdanskogo vozdushnogo flota.
(Herbicides) (Aeronautics in agriculture)



# TYUTYUNNIK, P.M., inzh.

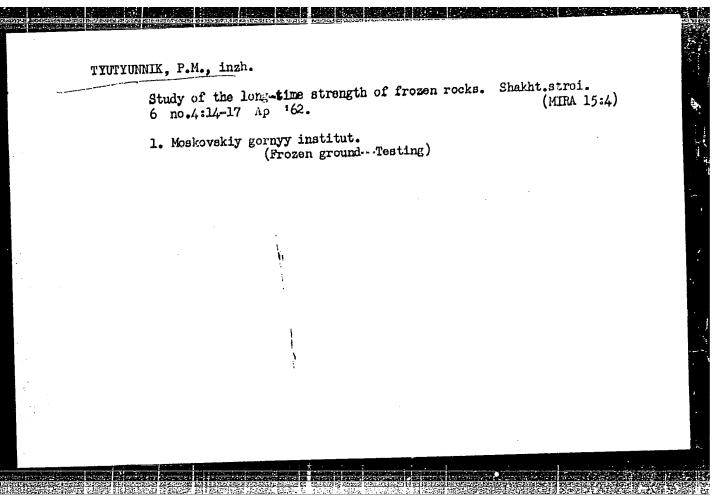
Studying the durability of frozen rocks. Shakht. stroi. 6 no.3: 11-14 Mr '62. (MIRA 15:3)

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TYUTTUNNIK, P.M., kand.tekhn.nauk

Stability of shaft walls sunk by the method of rock freezing.
Shakht.stroi. 8 no.l:16-19 Ja '64. (MIRA 17:4)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.



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MATYASH, I.V.; PIONTKOVSKAYA, M.A.; TARASENKO, L.M.; TYUTYUNNIK, R.S.

Proton relaxation in zeolitic water. Zhur.strukt.khim. 4 no.1:106-107 Ja-F '63. (MIRA 16:2)

1. Fiziko-tekhnicheskiy institut nizkikh temperatur AN UkrSSR

i Institut fizicheskoy khimii AN UkrSSR.
(Zeolites—Spectra) (Nuclear magnetic resonance and relaxation)
(Water)

NEYMARK, I.Ye.; PIONTKOVSKAYA, M.A.; LUKASH, A.Ye.; TYUTYUNNIK, R.S.

Synthesis of artificial zeolites and study of their adsorption properties [with summary in English]. Koll.zhur, 23 no.4: 454-461 Jl-Ag '61. (MIRA 14:8)

1. Institut fizicheskoy khimii AN USSR im. L.V. Pisarzhevskogo. (Zeolites) (Adsorption)

S/192/63/004/001/002/003 D204/D307

AUTHORS:

Matyash, I.V., Piontkovskaya, M.A., Tarasenko, L.M.

and Tyutyunnik, R.S.

TITLE:

Proton relaxation in zeolotic water

PERIODICAL:

Zhurnal strukturnoy khimii, v. 4, no. 1, 1963,

106-107

It is noted that although the structure of many zeolites has been studied in some detail both experimentally and theoretically, there is little information about molecular bonding forces in zeolitic water. This has been largely due to experimental difficulties encountered with chemical and spectroscopic (X-ray and infrared) methods. The present work was undertaken to obtain further information about zeolites and to determine the MiR line widths for artificial zeolites. The following were investigated: KA, NAA, CAA, LiA and MgA. It was found that the derivatives of the absorption lines of KA, CaA and MgA did not exhibit detectable splitting which ascribed to the fact that the specimens had not lower than fourfold symmetry axes and the sorption cavities were nearly spherical. Mea-Card 1/2

Proton relaxation ...

S/192/63/004/001/002/003 D204/D307

sured NMR line widths as functions of the relative amount of water appear to confirm that the spin-spin relaxation time does depend on the relative amount of water as reported by Matyash et al. (this journal, 2, 214, 1962). On the other hand the self-diffusion coefficient of water molecules in zeolites is universely proportional to the line width  $\Delta H$ . The correlation between  $\Delta H$  and  $\mathcal{C}i/\mathcal{C}$  is shown below

Cation	K	Na	Ca	Li	Mg	
ДН ое	0.08	0.09	0.17	0.17	0.48	
$v_{i}/v$	0.05	1.46	2.16	3.48	8.63	

where  $\mathcal{V}_i$  is the mean life of water molecules near the corresponding cation and  $\mathcal{V}$  is the corresponding equilibrium value in pure water. There are 2 figures and 1 table.

ASSOCIATION: ·

Fiziko-tekhnicheskiy institut nizkikh temperatur AN USSR (Physico-Technical Low Temperature Institute of the AS UkrSSR) Institut fizicheskoy khimii AN USSR (Institute of Physical Chemistry of the AS UkrSSR)

SUBMITTIED:

May 28, 1962

Card 2/2

PHASE I BOOK EXPLOITATION SOV/6246

Soveshchaniye po tseolitam. 1st, Leningrad, 1961.

Sinteticheskiye tseolity; polucheniye, issiedovaniye i primeneniye (Synthetic Zeolites: Production, Investigation, and Use). Moscow, Izd-vo AN SSSR, 1962. 266 p. (Series: Its: Doklady)
Errata slip inserted. 2500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk. Komisiya po tseolitam.

Resp. Eis.: M. M./Dubinin, Academician and V. V. Serpinskiy, Doctor of Chemical-Sciences; Ed.: Ye. G. Zhukovskaya; Tech. Ed.: S. P. Golub'.

PURFOSE: This book is intended for scientists and engineers engaged in the production of synthetic zeolites (molecular sieves), and for chemists in general.

Card 1/#2

Synthetic Zeolites: (Cont.)

GOVERAGE: The book is a collection of reports presented at the First Conference on Zeolites, held in Leningrad Ich through 19 March 1961 at the Leningrad Technological Institute imeni Lenovet, and is purportedly the first monograph on this subject. The reports are grouped into 3 subject areas: 1) theoretical problems of adsorption on various types of zeolites and methods for their investigation, 2) the production of zeolites, and 3) application of zeolites. No personalities are mentioned. References follow individual articles.

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